Dell Precision™ Workstations Fan Locations

- Dell Precision Workstation 650 Computer
- Dell Precision Workstation 450 Computer
- Dell Precision Workstation 530 Computer
- Dell Precision Workstation 620 Computer

NOTE: Part numbers listed with each fan are subject to change.

NOTE: *Overtemp* indicates that the processor temperature has risen, and it does not necessarily indicate a fan failure.

NOTE: *Thermtrip* indicates a catastrophic failure.

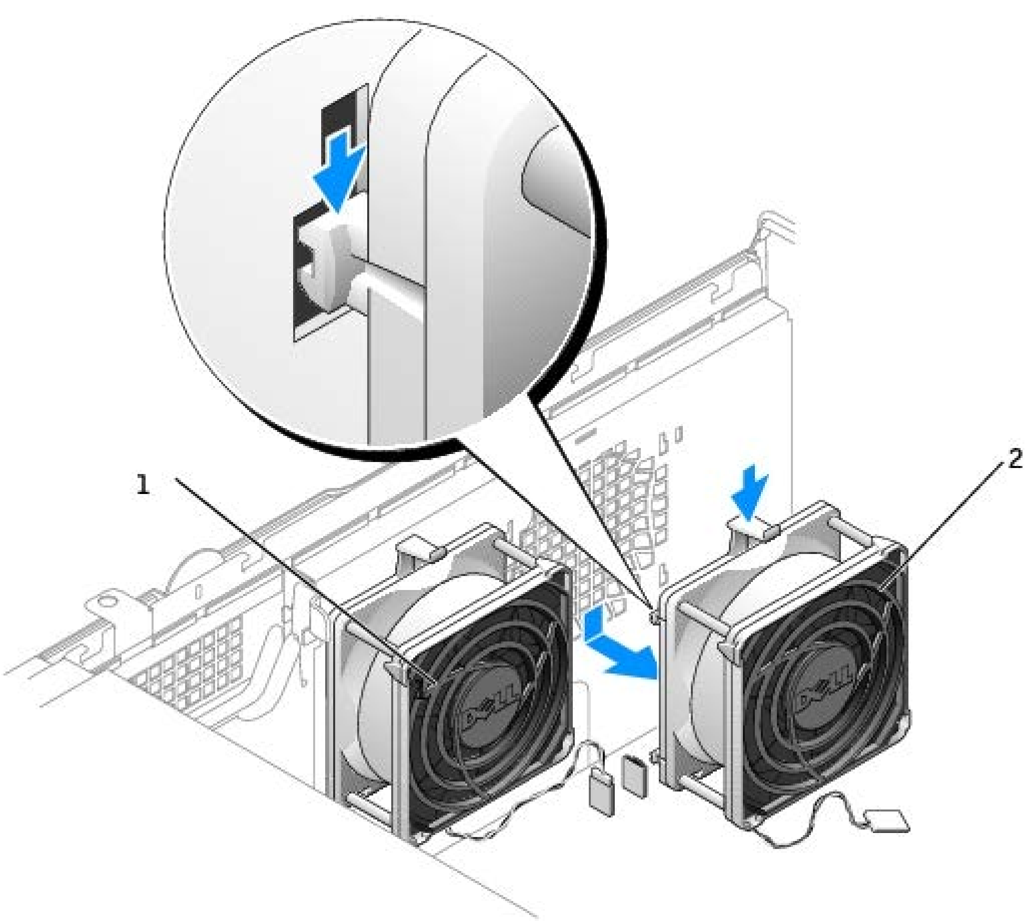
Dell Precision Workstation 650 Computer

Error Messages

Fan Failure		Boot Message (F1/F2)	Event Log Message
AGP card-cage fan	During boot	Alert! Card-cage fan failure	<Date> <Time> Out of Range Card-cage Fan
	Run time	On next boot: Alert! Previous fan failure	<Date> <Time> Out of Range Card-cage Fan
CPU 0 fan	During boot	Alert! CPU 0 Fan Failure	<Date) <Time> Out of Range CPU 0 Fan
	Run time	On next boot: Alert! Previous fan failures	<Date> <Time> Out of Range CPU 0 Fan
CPU 1 fan	During boot	Alert! CPU 1 fan failure	<Date> <Time> Out of Range CPU 1 Fan
	Run time	On next boot: Alert! Previous Fan Failure	<Date> <Time> Out of Range CPU 1 Fan
CPU 0 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 0 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 0 Temperature
CPU 1 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 1 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 1 Temperature
System Thermtrip	During boot	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event	
	Run	System immediately shuts down!	

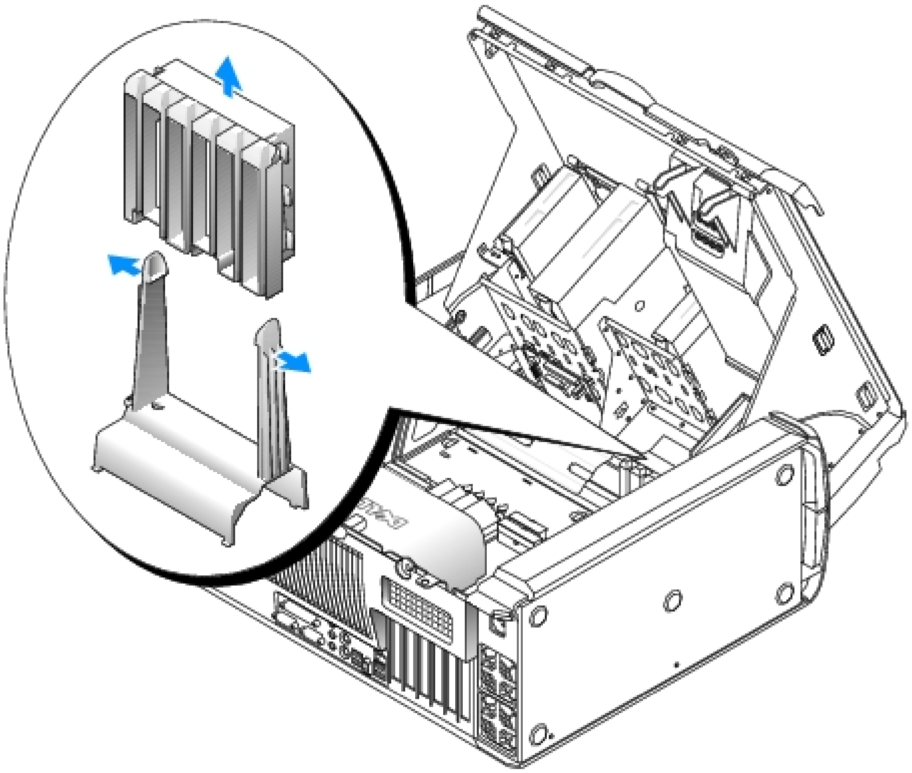
	time	On next boot: Alert! Previous shutdown due to thermal event	
Power supply fan 1	During boot	Alert! Power supply fan failure	<Date> <Time> Out of Range Power Supply Fan 1
	Run time	Alert! Previous fan failure	<Date> <Time> Out of Range Power Supply Fan 1
Power supply fan 2	During boot	Alert! Power supply fan failure	<Date> <Time> Out of Range Power Supply Fan 2
	Run time	Alert! Previous fan failure	<Date> <Time> Out of Range Power Supply Fan 2

PN 0U231 — CPU fan, independently replaceable, two per system

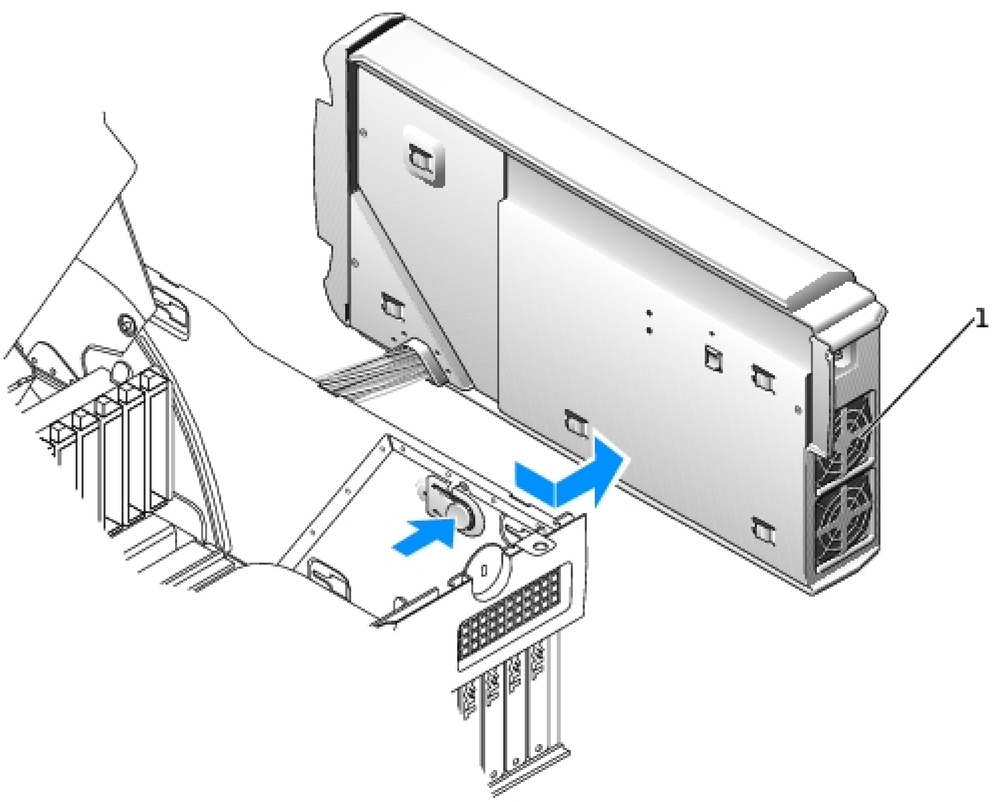


1	CPU 1 fan
2	CPU 0 fan

PN 5M486 — AGP card cage fan



PN 1M475 — Power supply fan, 460W (dual fan power supply)



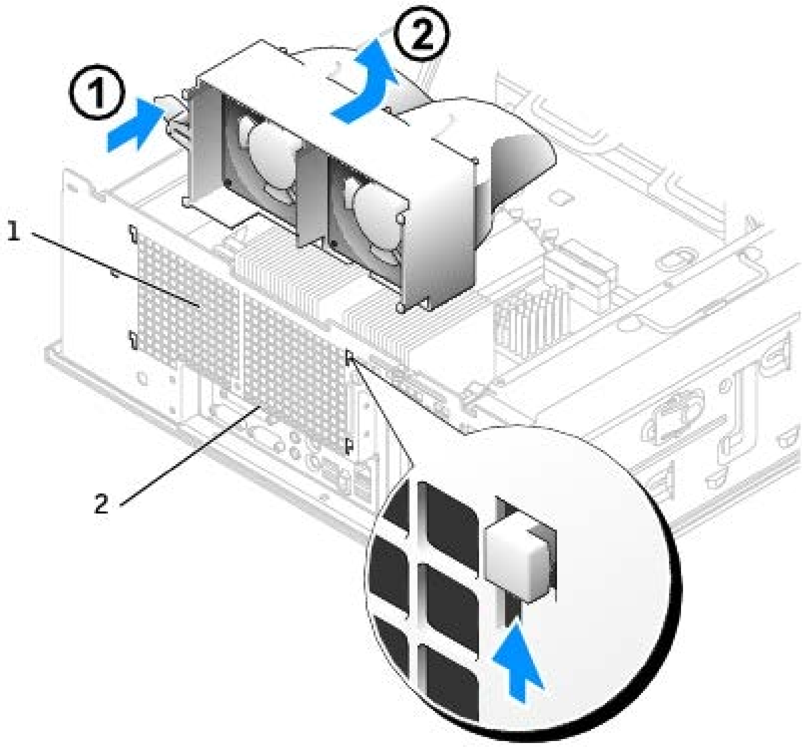
1	power supply fans (2)

Dell Precision Workstation 450 Computer

Error Messages

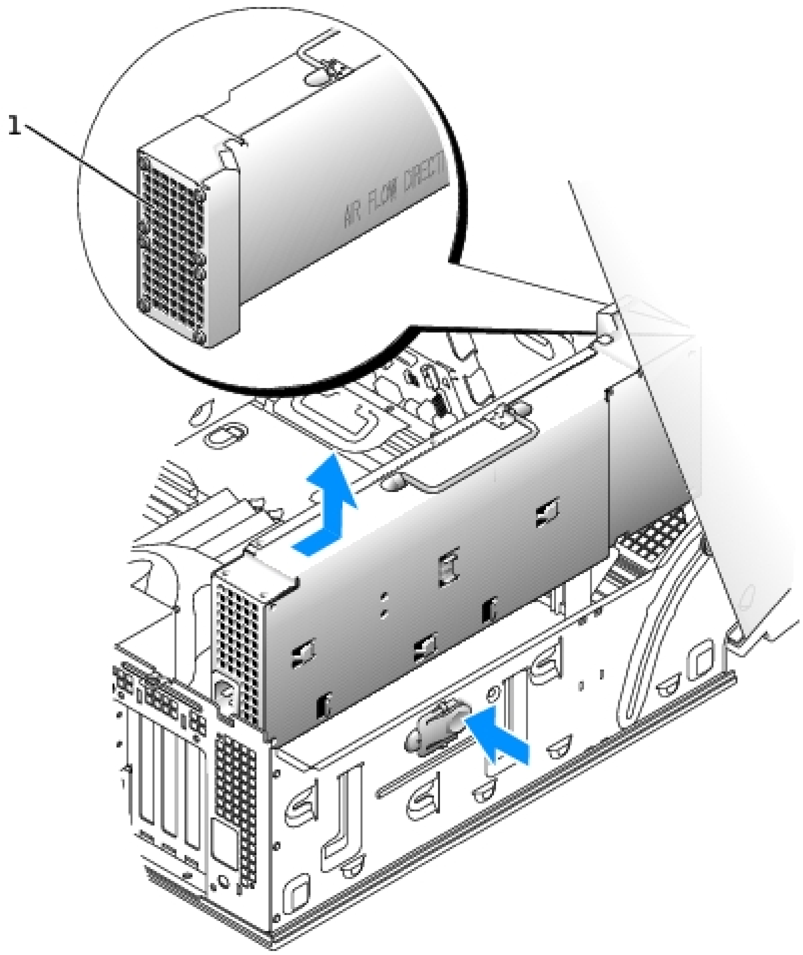
Fan Failure		Boot Message (F1/F2)	Event Log Message
CPU 0 fan	During boot	Alert! CPU 0 Fan Failure	<Date) <Time> Out of Range CPU 0 Fan
	Run time	On next boot: Alert! Previous fan failures	<Date> <Time> Out of Range CPU 0 Fan
CPU 1 fan	During boot	Alert! CPU 1 fan failure	<Date> <Time> Out of Range CPU 1 Fan
	Run time	On next boot: Alert! Previous Fan Failure	<Date> <Time> Out of Range CPU 1 Fan
CPU 0 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 0 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 0 Temperature
CPU 1 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 1 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous processor thermal failure	<Data><Time> Out of range CPU 1 Temperature
System Thermtrip	During boot	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event	
	Run time	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event	
Power supply fan 1	During boot	Alert! Power supply fan failure	<Date> <Time> Out of Range Power Supply Fan 1
	Run time	Alert! Previous fan failure	<Date> <Time> Out of Range Power Supply Fan 1
Power supply fan 2	During boot	Alert! Power supply fan failure	<Date> <Time> Out of Range Power Supply Fan 2
	Run time	Alert! Previous fan failure	<Date> <Time> Out of Range Power Supply Fan 2

PN 7P974 — Dual CPU fans/shroud assembly



1	CPU 0 fan
2	CPU 1 fan

PN 2P222 — Power supply fan, 360W



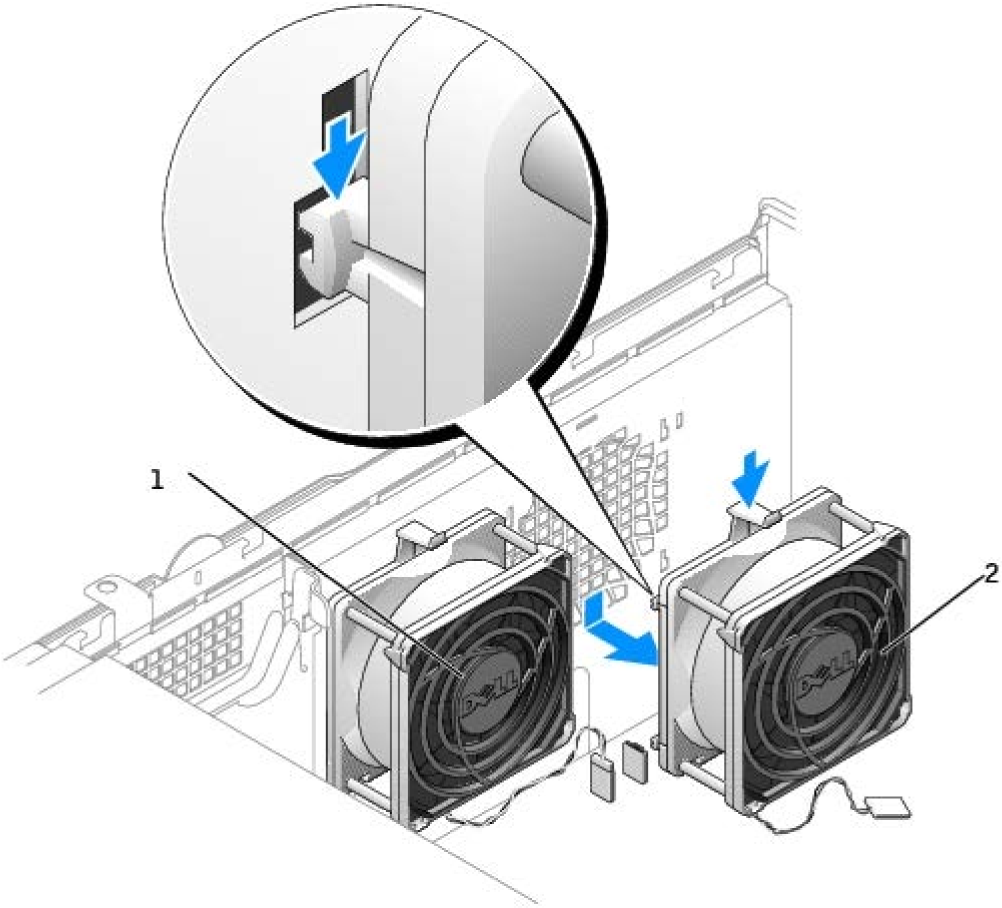
1	power supply fans (2)

Dell Precision Workstation 530 Computer

Fan Failure		**Boot Message (F1/F2)**	**Event Log Message**
AGP card-cage fan	During boot	Alert! Card cage fan not detected	Out Of Range Card-cage Fan
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Card-cage Fan
CPU 0 fan	During boot	Alert! CPU 0 fan not detected	Out Of Range CPU 0 Fan
	Run time	On next boot: Alert! Previous fan failure	Out Of Range CPU 0 Fan
CPU 1 fan	During boot	Alert! CPU 1 fan not detected	Out Of Range CPU 1 Fan
	Run time	On next boot: Alert! Previous fan failure	Out Of Range CPU 1 Fan
CPU 0 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Shutdown due to thermal event	Out Of Range CPU 0 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute	Out Of Range CPU 0 Temperature

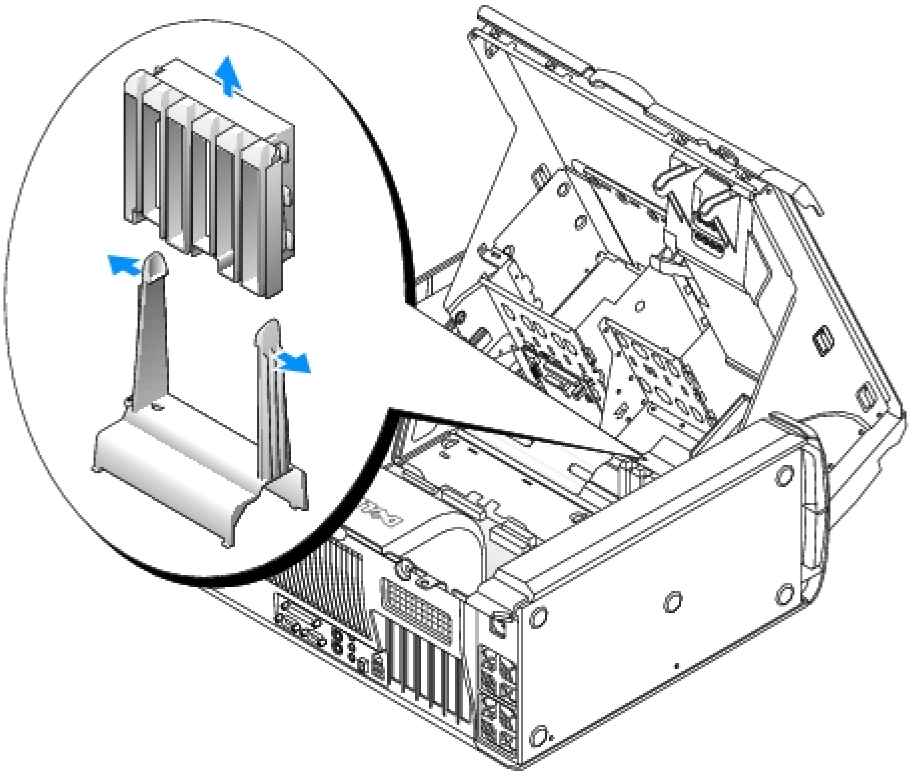
		On next boot: Alert! Previous temperature failure at Processor 1	
CPU 1 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous shutdown due to thermal event	Out Of Range CPU 1 Temperature
	Run time	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous temperature failure at Processor 2	Out Of Range CPU 1 Temperature
Power supply fan 1	During boot	Alert! Power supply fan failure	Out Of Range Power Supply Fan 1
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Power Supply Fan 1
Power supply fan 2	During boot	Alert! Power supply fan failure	Out Of Range Power Supply Fan 2
	Run time	On next boot: Alert! Previous fan failure	Out Of Range Power Supply Fan 2
System Thermtrip	During boot	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event	Out Of Range CPU 0 Temperature
	Run time	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event.	Out Of Range CPU 0 Temperature
System Thermtrip	During boot	System immediately shuts down! On next boot: Previous shutdown due to thermal event	Out Of Range CPU 1 Temperature
	Run time	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event	Out Of Range CPU 1 Temperature

PN 929FF — CPU fan, independently replaceable, two per system

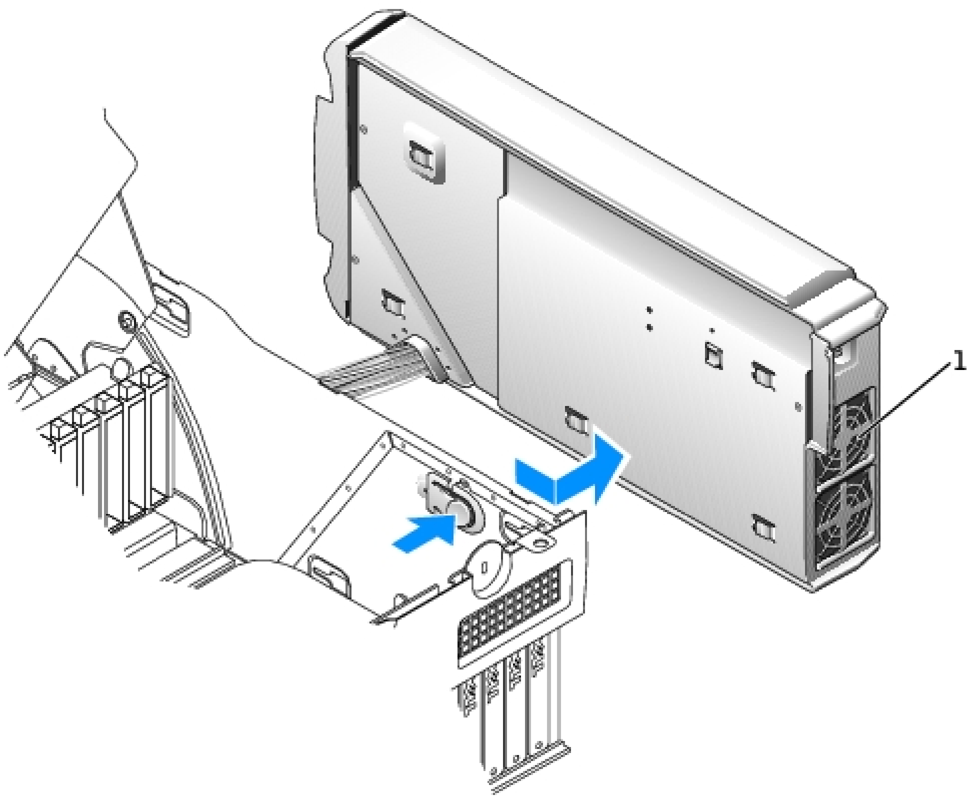


1	CPU 1 fan
2	CPU 0 fan

PN 0C252 — AGP card cage fan



PN 1M475 — Power supply fan, 460W



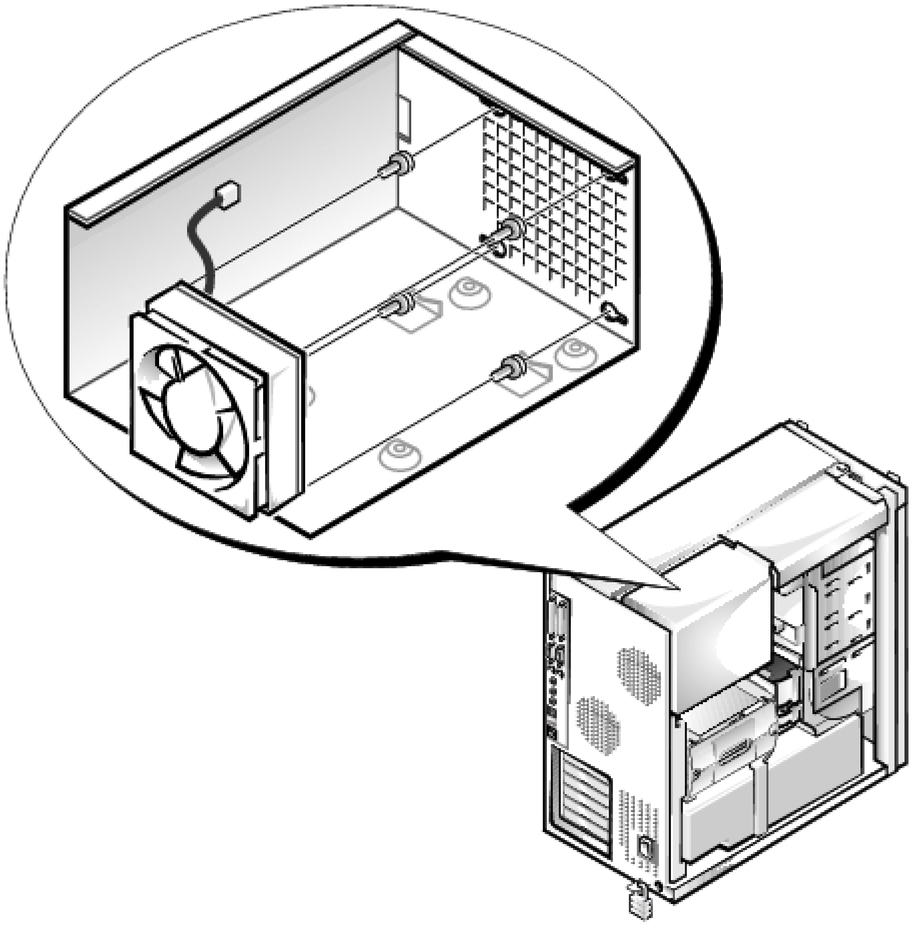
1	power supply fans (2)

Dell Precision Workstation 620 Computer

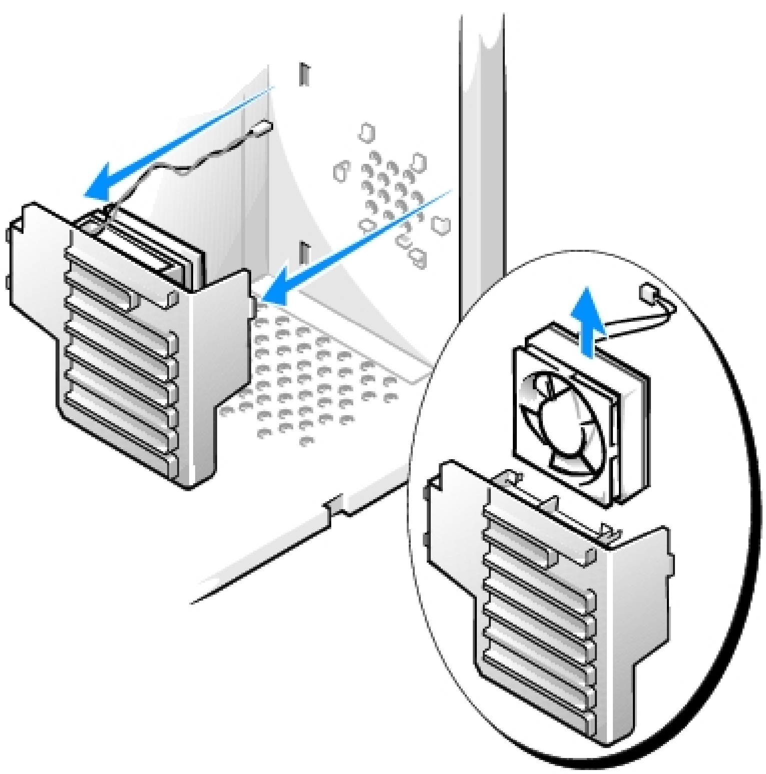
NOTE: Precision Workstation 620 computers do not have an event log.

Fan Failure		Boot Message (F1/F2)
AGP card-cage fan	During boot	No message
	Run time	No message
CPU fan	During boot	Alert! CPU fan not detected
	Run time	On next boot: Alert! Previous system fan failure
CPU 0 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute. On next boot: Alert! Previous shutdown due to thermal event
CPU 1 Overtemp	During boot	**NOTE:** The computer will shut down if this issue is not resolved within about 1 minute On next boot: Alert! Previous temperature failure at Processor 1
System Thermtrip	During boot	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event
	Run time	System immediately shuts down! On next boot: Alert! Previous shutdown due to thermal event
Power supply fan 1	During boot	Alert! Power supply fan failure
	Run time	On next boot: Alert! previous power supply fan failure
Power supply fan 2	During boot	Alert! Power supply fan failure
	Run time	On next boot: Alert! Previous power supply fan failure
System fan (memory riser fan)	During boot	Alert! System fan not detected
	Run time	On next boot: Alert! Previous system fan failure

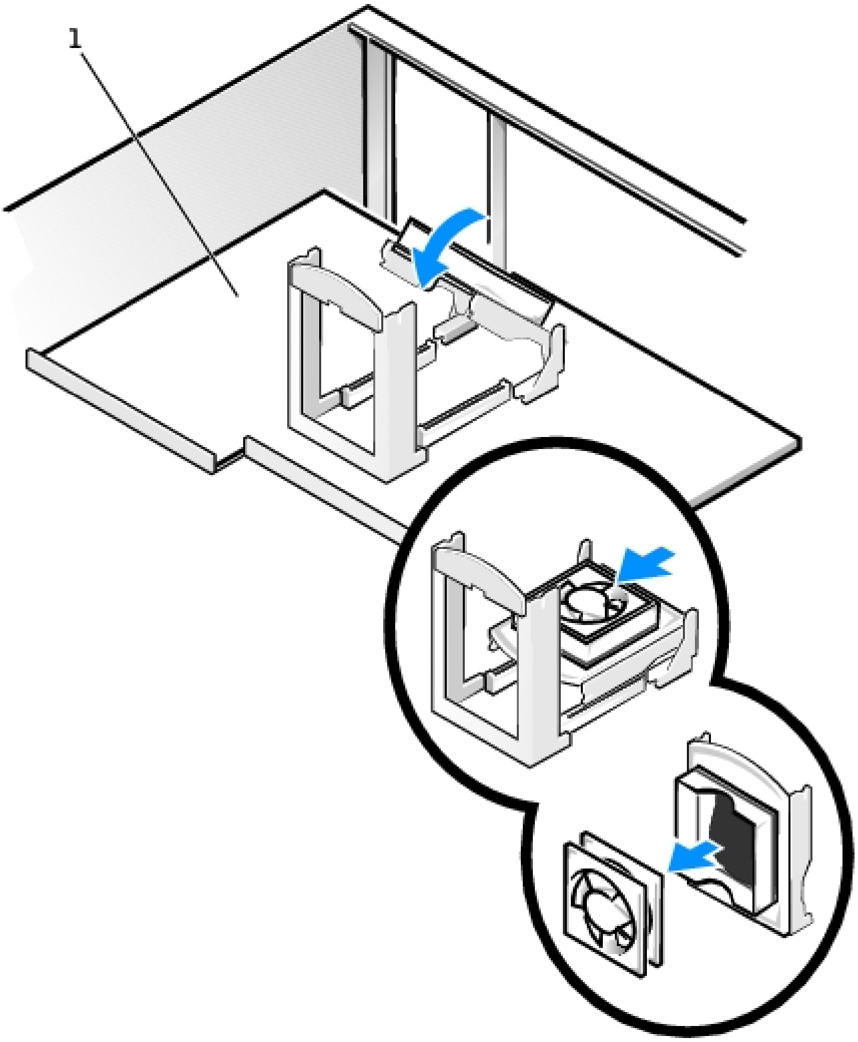
PN D0744 — CPU/system fan (service kit to replace fan, not the bracket, which can be reused.)



PN 8329R — AGP fan

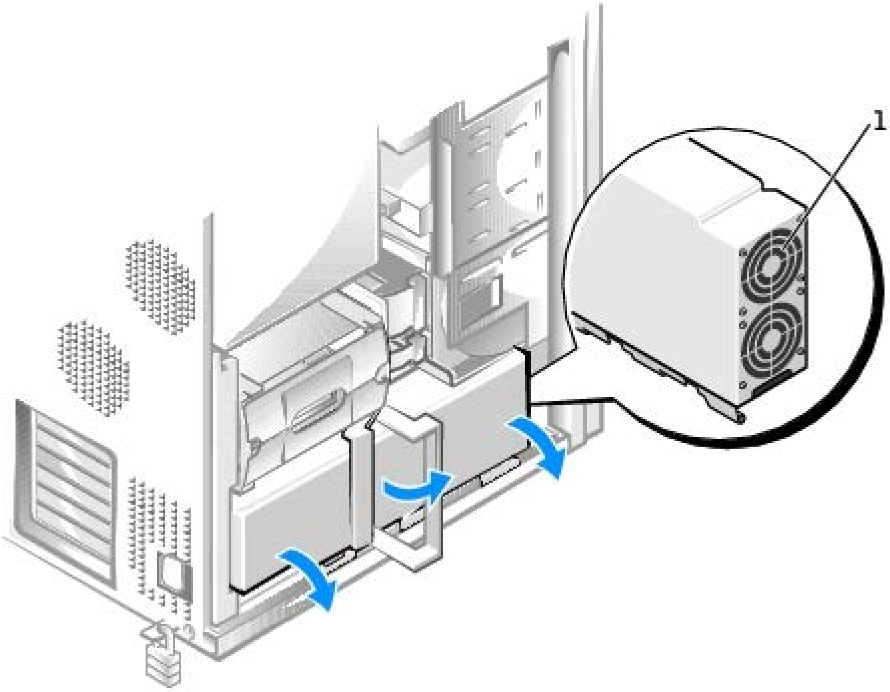


PN 7069P — Memory riser fan



1	memory riser fan

PN 41UFC — Power supply fans



1	power supply fans (2)
